

Abstract

A multi-beam antenna system is described herein that
5 can be used in microwave frequency applications between 1
GHz and 100 GHz. The multi-beam antenna system covers four
90° sectors for full 360° coverage. Each 90° sector is
covered with at least 1 narrow steerable transmit (TX) and
1 narrow steerable receive (RX) beam. The beams are
10 steered in the azimuth dimension.